32. ~~(amended)~~ A method according to claim 28, wherein the active enamel substance is applied in an amount of total protein per cm^2 area of affected tissue corresponding from about 0.1 mg/cm^2 to about 15 mg/cm^2.

33. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 120 kDa as determined by SDS Page electrophoresis.

34. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 100 kDa as determined by SDS Page electrophoresis.

35. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 90 kDa as determined by SDS Page electrophoresis.

36. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 80 kDa as determined by SDS Page electrophoresis.

37. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 70 kDa as determined by SDS Page electrophoresis.

38. A method of claim 28 wherein the active enamel substance has a molecular weight not exceeding about 60 kDa as determined by SDS Page electrophoresis.

39. A method of claim 28 wherein the active enamel substance has a molecular weight up to about 40,000 as determined by SDS Page electrophoresis.

40. A method of claim 28 wherein the active enamel substance has a molecular weight between about 5,000 and about 25,000 as determined by SDS Page electrophoresis.

41. A method of claim 28 wherein at least a part of the active enamel substance is in the form of aggregates or after application in vivo is capable of forming aggregates.